

ANTI-MICROBIAL-ADHESION FRACTION
DERIVED FROM VACCINIUM

ABSTRACT OF THE DISCLOSURE

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A non-food anti-microbial-adhesion and aggregation composition comprising a suitable carrier and an effective amount of an adhesion inhibitory fraction isolated from juice from berries of the *Vaccinium* plant genus. In an embodiment the anti-aggregation and adhesion fraction is isolated from cranberry juice. It is characterized as being polymeric and having a molecular weight $\geq 14,000$; an elemental analysis of carbon 43-51%, hydrogen 4-5%, no nitrogen, no sulfur and no chlorine; a nuclear magnetic resonance (NMR) line spectrum as set forth in Figures 2A and 2B; and an ultraviolet spectrum with an absorption peak at 280 nm in neutral or acidic pH solution which is absent in alkali solutions. This fraction exhibits adhesion inhibitory activity against P fimbriated bacteria, oral bacteria and *Helicobacter pylori*.

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